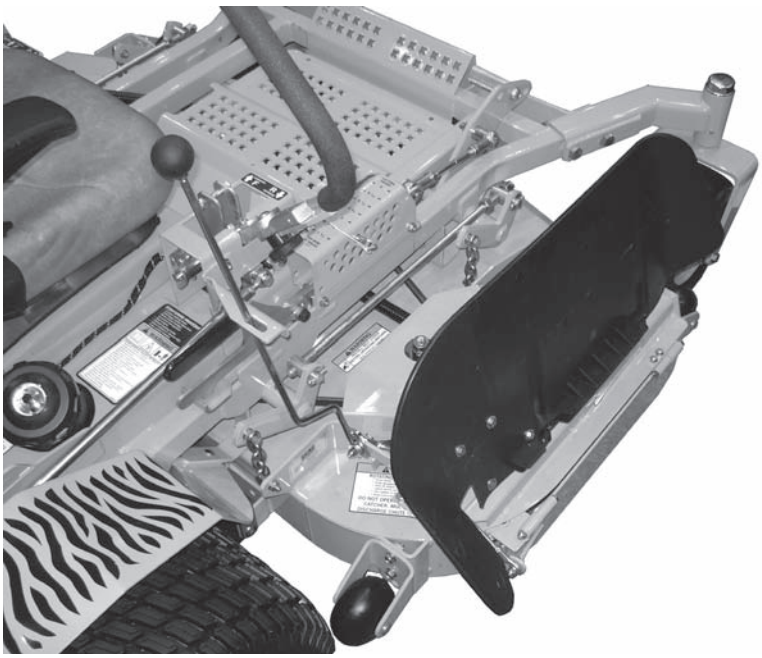
SCAG®
POWER EQUIPMENT

OPERATOR'S MANUAL

Operator Controlled Discharge Chute

Models: STT-OCDC-52V
STT-OCDC-61V



This manual contains the operating instructions, assembly instructions and safety information for your Scag accessory. Reading this manual can provide you with assistance in operation and installation procedures to keep your accessory performing to maximum efficiency. The specific models that this book covers are listed on the inside cover. Before operating your machine, please read all the information enclosed in the operator's manual supplied with your mower.

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Division of Metalcraft of Mayville, Inc.

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WARNING

FAILURE TO FOLLOW SAFE OPERATING PRACTICES MAY RESULT IN SERIOUS INJURY OR DEATH.

- Read this manual completely as well as other manuals that came with your mower.
- DO NOT operate on steep slopes. To check a slope, attempt to back up it (with the cutter deck down). If the machine can back up the slope without the wheels slipping, reduce speed and use extreme caution.
- Under no circumstances should the machine be operated on slopes greater than 15 degrees. ALWAYS FOLLOW OSHA APPROVED OPERATION.
- DO NOT mow on wet grass. Wet grass reduces traction and steering control.
- Keep all shields in place, especially the grass discharge chute.
- Before performing any maintenance or service, stop the machine and remove the spark plug wire and ignition key.
- If a mechanism becomes clogged, stop the engine before cleaning.
- Keep hands, feet and clothing away from power-driven parts.
- Keep others off the mower (only one person at a time)

REMEMBER - YOUR MOWER IS ONLY AS SAFE AS THE OPERATOR!

HAZARD CONTROL AND ACCIDENT PREVENTION ARE DEPENDENT UPON THE AWARENESS, CONCERN, PRUDENCE, AND PROPER TRAINING OF THE PERSONNEL INVOLVED IN THE OPERATION, TRANSPORT, MAINTENANCE, AND STORAGE OF THE EQUIPMENT.

This manual covers the operating instructions and illustrated parts list for:		
STT-OCDC-52V	with a part number of	920N
STT-OCDC-61V	with a part number of	920L
Always use the entire serial number listed on the serial number tag when referring to this product.		

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GENERAL INFORMATION

1.1 INTRODUCTION

Your OCDC was built to the highest standards in the industry. However, the prolonged life and maximum efficiency of your OCDC depends on you following the installation and operation instructions in this manual.

If additional information or service is needed, contact your Scag Power Equipment Dealer.

We encourage you to contact your dealer for repairs. All Scag dealers are informed of the latest methods to service this equipment and provide prompt and efficient service in the field or at their service shop. They carry a full line of Scag service parts.

THE REPLACEMENT OF ANY PART ON THIS PRODUCT BY OTHER THAN THE MANUFACTURER'S AUTHORIZED REPLACEMENT PART MAY ADVERSELY AFFECT THE PERFORMANCE, DURABILITY OR SAFETY OF THIS PRODUCT.

USE OF OTHER THAN ORIGINAL SCAG REPLACEMENT PARTS WILL VOID THE WARRANTY.

When ordering parts, always give the model and part number of this accessory.

USE ONLY SCAG APPROVED ATTACHMENTS AND ACCESSORIES.

Attachments and accessories manufactured by companies other than Scag Power Equipment are not approved for use on this machine. See your mowers operator's manual for a complete list of approved attachments and accessories.

⚠ WARNING

For pictorial clarity, some illustrations and figures in this manual may show shields, guards or plates open or removed. Under no circumstances should your mower be operated without these devices in place.

All information is based upon product information available at the time of approval for printing. Scag Power Equipment reserves the right to make changes at any time without notice and without incurring any obligation.

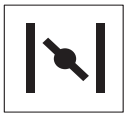
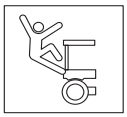
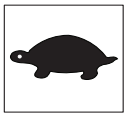
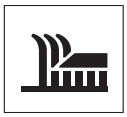
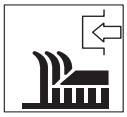
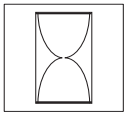
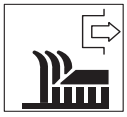
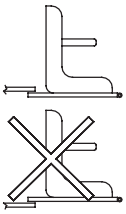
1.2 DIRECTION REFERENCE

The “Right” and “Left”, “Front” and “Rear” of the machine are referenced from the operator’s right and left when seated in the normal operating position and facing the forward travel direction.

1.3 SERVICING THIS ACCESSORY

For service of this accessory during the limited warranty period, it is important to contact your Scag dealer. Any unauthorized work done to this accessory during the warranty period may void your warranty.

1.4 SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Choke		Transmission
	Parking Brake		Spinning Blade
	On/Start		Spring Tension on Idler
	Off/Stop		Oil
	Falling Hazard		Thrown Object Hazard
	Fast		Slow
	Continuously Variable - Linear		Cutting Element - Basic Symbol
	Pinch Point		Cutting Element - Engage
	Hour meter/Elapsed Operating Hours		Cutting Element - Disengage
	**STT MODELS** Seat must be installed under the seat hold down bracket during installation. Failure to secure the seat under the hold down bracket could result in serious injury or death in a roll over.		CE Mark
	Thrown Object Hazard Keep Bystanders Away		Read Operator's Manual

SAFETY INFORMATION

2.1 INTRODUCTION

Your mower is only as safe as the operator. Carelessness or operator error may result in serious bodily injury or death. Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of the personnel involved in the operation, transport, maintenance and storage of the equipment. Make sure every operator is properly trained and thoroughly familiar with all of the controls before operating the mower. The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people or property.

READ THIS OPERATOR'S MANUAL BEFORE ATTEMPTING TO START YOUR MOWER.

A replacement manual is available from your authorized Scag Service Dealer or by contacting Scag Power Equipment, Service Department at P.O. Box 152, Mayville, WI 53050 or contact us via the Internet at www.scag.com. The manual for this accessory can be downloaded by using the model and part number or use the contact form to make your request. Please indicate the complete model and part number of your Scag product when requesting replacement manuals.

2.2 SIGNAL WORDS

This symbol means **"Attention! Become Alert! Your Safety is Involved!"** The symbol is used with the following signal words to attract your attention to safety messages found on the decals on the machine and throughout this manual. The message that follows the symbol contains important information about safety. To avoid injury and possible death, carefully read the message! Be sure to fully understand the causes of possible injury or death.

SIGNAL WORD:

It is a distinctive word found on the safety decals on the machine and throughout this manual that alerts the viewer to the existence and relative degree of the hazard.

⚠ DANGER

The signal word "DANGER" denotes that an extremely hazardous situation exists on or near the machine that could result in high probability of death or irreparable injury if proper precautions are not taken.

⚠ WARNING

The signal word "WARNING" denotes that a hazard exists on or near the machine that can result in injury or death if proper precautions are not taken.

⚠ CAUTION

The signal word "CAUTION" is a reminder of safety practices on or near the machine that could result in personal injury if proper precautions are not taken.

Your safety and the safety of others depends significantly upon your knowledge and understanding of all correct operating practices and procedures of this machine.

2.3 OPERATION CONSIDERATIONS

1. Know the function of the OCDC control before operating the machine.

⚠ WARNING

DO NOT operate without discharge chute, mulch kit, mulch plate, OCDC or entire grass catcher installed.

2. When using any attachment, never direct the discharge of material toward bystanders or allow anyone near the machine while in operation.
3. If the mower discharge ever plugs, shut off the engine, remove the ignition key, and wait for all movement to stop before removing the obstruction.

⚠ WARNING

DO NOT use your hand to dislodge the clogged discharge chute. Use a stick or other device to remove clogged material after the engine has stopped running and the blades have stopped turning.

4. Be alert for holes, rocks, roots and other hidden hazards in the terrain. Keep away from any drop-offs. Beware of overhead obstructions (low limbs, etc.), underground obstacles (sprinklers, pipes, tree roots, etc.). Cautiously enter a new area. Be alert for hidden hazards.
5. Disengage power to cutter deck before backing up. Do not mow in reverse unless absolutely necessary and then only after observation of the entire area behind the mower. If you must mow in reverse, maintain a constant lookout to the rear of the machine and mow slowly.
6. Disengage power to cutter deck before crossing roads, walks or gravel drives.
7. Mow only in daylight or good artificial light.
8. NEVER raise the deck with the blades engaged.
9. The machine and attachments should be stopped and inspected for damage after striking a foreign object, and damage should be repaired before restarting and operating the machine.
10. Keep hands and feet away from cutter blades and moving parts. Contact can injure.
11. Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
12. NEVER leave the machine running unattended.

2.4 OCDC OPERATION

The OCDC (Operator Controlled Discharge Chute) can be raised or lowered to side discharge or block the discharge of grass clippings. Follow the steps below for proper operation of the OCDC.

-NOTE-

The OCDC is not intended to be a complete or full time mulch system. This accessory allows the operator to temperarily close the cutter deck's discharge opening to keep clippings out of landscaping and off pavement when needed.

CLOSED POSITION

In the closed position, the clippings will be temporarily blocked.

1. Pull up on the OCDC control handle.
2. While pulling up, move the OCDC control handle outward slightly and push down to lock the OCDC into the closed position. See Figure 2-1. The discharge chute will raise to allow for close trimming.

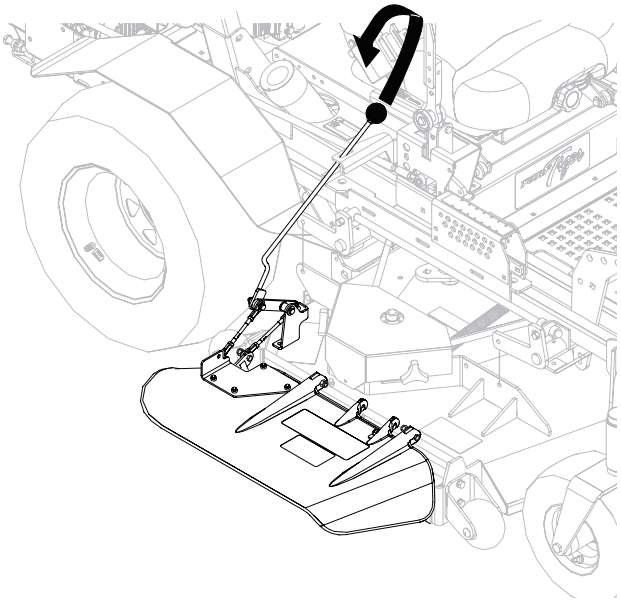


Figure 2-1. Moving from Open to Closed Position

OPEN POSITION

In the open position, the clippings will side discharge.

1. Pull up on the OCDC control handle to unlock from the closed position.
2. Push down on the OCDC control handle to lower the side discharge chute. See Figure 2-2. The discharge chute will lower to it's original position for safe side-discharge operation.

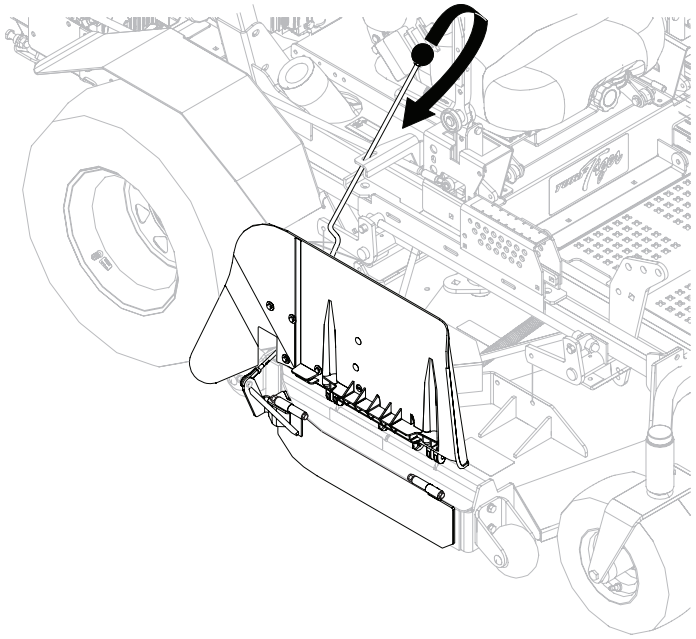


Figure 2-2. Moving from Closed to Open Position

INSTALLATION INSTRUCTIONS

3.1 INSTALLATION INSTRUCTION FOR STT-52V

Prepare the machine so there is easy and safe access to the work area. Park the machine on a flat, level surface and apply the parking brake. Remove the ignition key and disconnect the positive and negative cables from the battery. Maintain all safety related work procedures. Always wear hand and eye protection.

1. Remove the discharge chute from the machine. See Figure 3-1.
2. Retain the discharge chute and mounting hardware for future use.

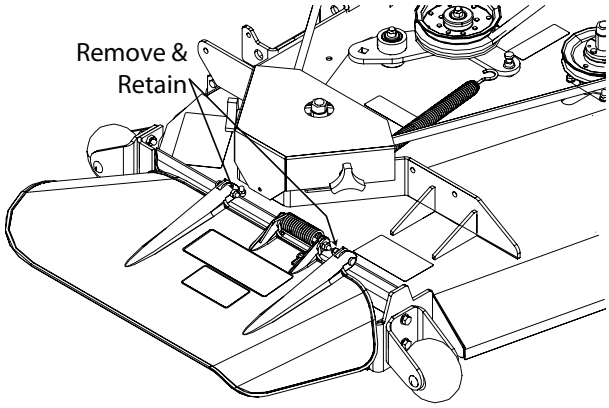


Figure 3-1. Removing the Discharge Chute

3. Remove the turbo baffle from the cutter deck. See Figure 3-2.
4. Retain the turbo baffle and mounting hardware for future use.

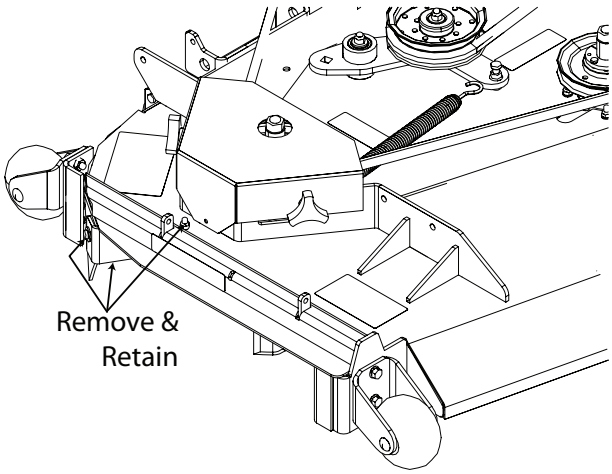


Figure 3-2. Removing the Turbo Baffle

5. Install the rear hinge bracket to the cutter deck using one (1) 5/16-18 x 1" bolt, one (1) 5/16" flatwasher and one (1) 5/16-18 elastic stop nut. Do not tighten the hardware. See Figure 3-3.

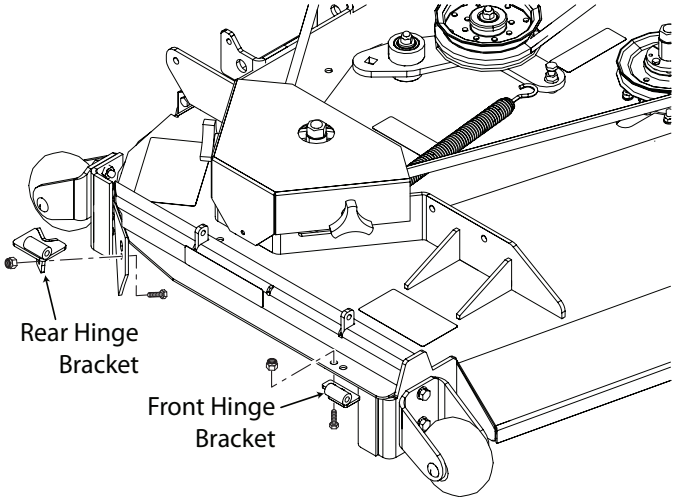


Figure 3-3. Hinge Weldment Installation

6. Hold the rear hinge bracket tight to the cutter deck.
7. Using the rear hinge bracket as a guide, drill the bottom mounting bolt hole for the rear hinge bracket using an 11/32" drill bit.
8. Install one (1) 5/16-18 x 3/4" bolt and one (1)5/16-18 elastic stop nut. Do not tighten the hardware.
9. Install the template to locate the mounting holes for the lever assembly. Secure to the cutter deck using the turbo baffle mounting hardware removed in step 3. See Figure 3-4.
10. Hold the template against the discharge chute mounting rail and tighten the hardware. See Figure 3-4.
11. Center punch and drill the mounting holes using an 11/32" drill bit. See Figure 3-4.
12. Carefully lay out the remaining mounting holes for the front hinge bracket in the cutter deck. See Figure 3-4.
13. Center punch and drill the holes using an 11/32" drill bit.

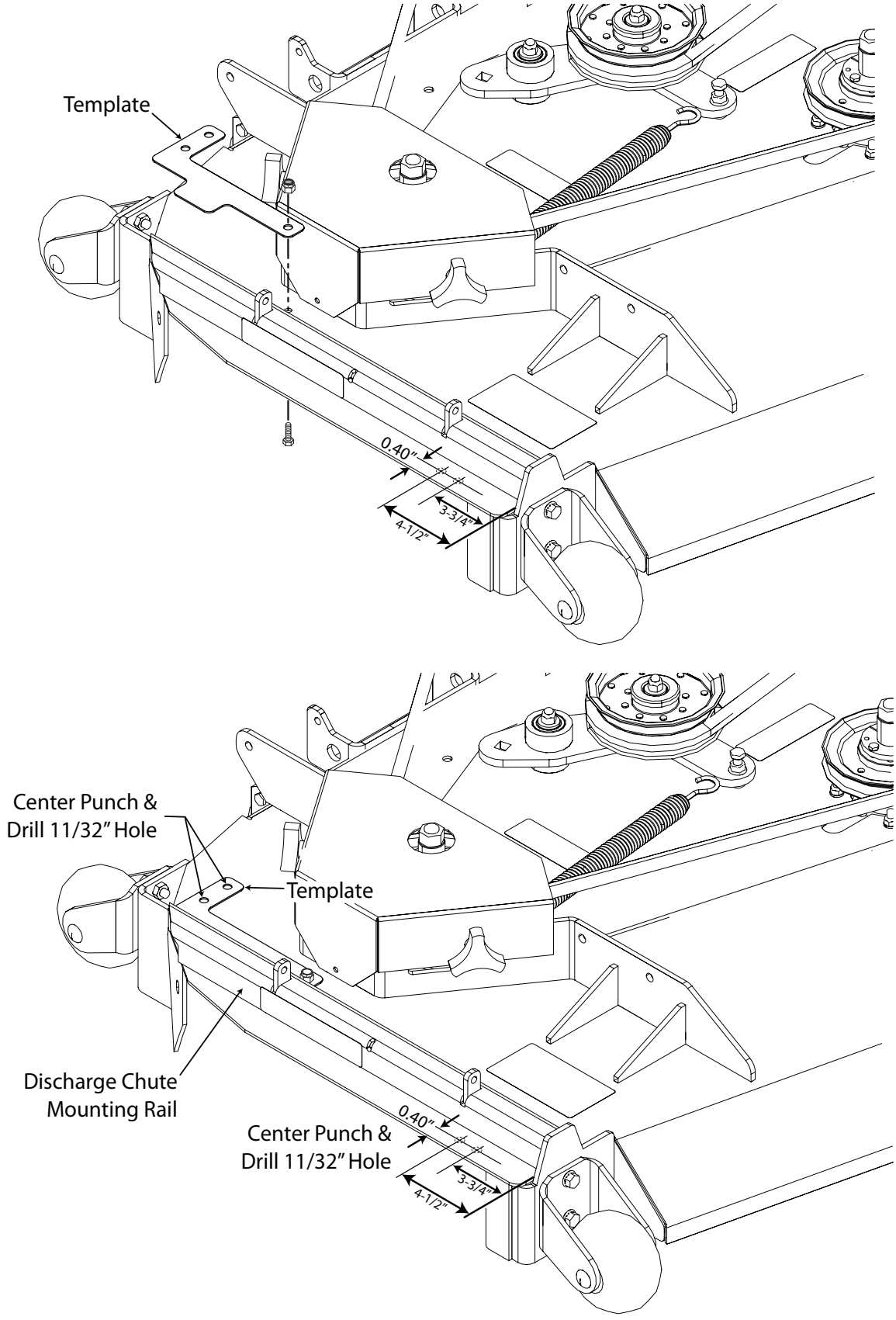


Figure 3-4. Locating and Drilling the Mounting Holes

14. Install the front hinge bracket to the cutter deck using two (2) 5/16-18 x 3/4" bolts and two (2) 5/16-18 elastic stop nuts. See Figure 3-3, page 6. Do not tighten the hardware.

15. Install the block off plate weldment to the front and rear hinge brackets. Secure using two (2)5/16-18 x 3-1/2" bolts and two (2) 5/16-18 elastic stop nuts. See Figure 3-5. Do not over tighten the bolts. Secure the hardware so the block off plate weldment moves freely.

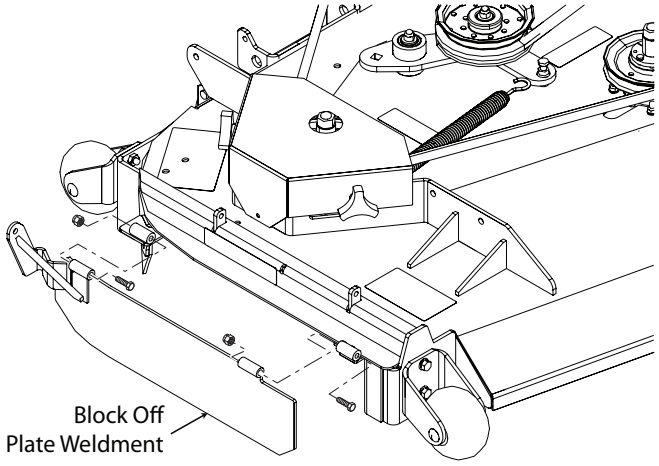


Figure 3-5. Block Off Plate Weldment Installation

16. Tighten the mounting hardware securing the front and rear hinge brackets.

17. Install the OCDC handle bracket to the right hand steering control bracket. See Figure 3-6. Secure using two (2) 5/16-18 x 1" bolts, one (1) mounting plate and two (2) 5/16-18 serrated flange nuts as shown in Figure 3-6.

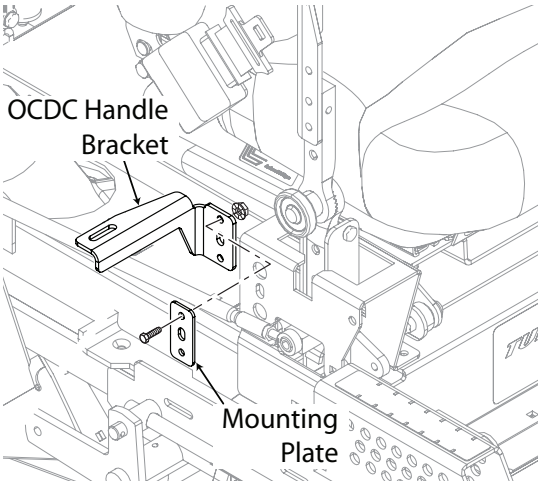


Figure 3-6. OCDC Handle Bracket Instal

18. Install the OCDC control rod through the handle bracket and attach to the cutter deck. Secure using two (2) 5/16-18 x 1" bolt, two (2) 5/16" flatwashers, two (2) 5/16" lockwashers and two (2) 5/16-18 elastic stop nuts. See Figure 3-7. Tighten the hardware.

19. Install the jam nut and the OCDC handle knob to the control rod. See Figure 3-7. Tighten the jam nut.

20. Secure the lower control link to the block off plate weldment using one (1) 5/16-18 x 1" bolt and one (1) 5/16-18 elastic stop nut. See Figure 3-7.

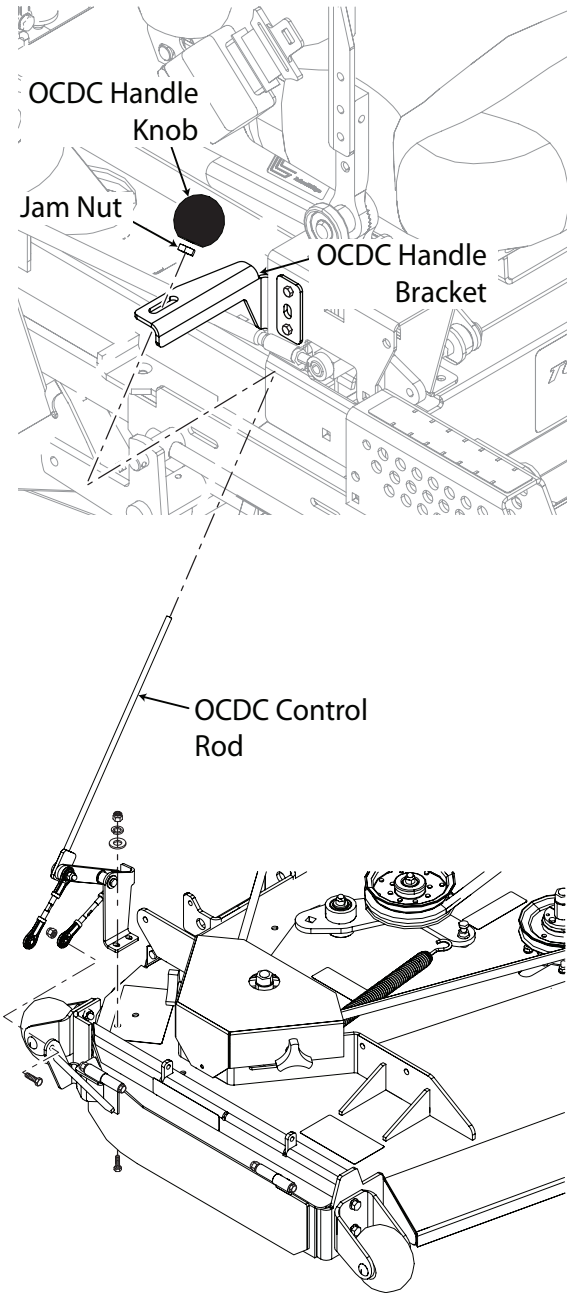


Figure 3-7. OCDC Control Lever Installation

21. Tighten the hardware.
22. Install the OCDC discharge chute to the cutter deck. Secure using two (2) 5/16-18 x 1-3/4" bolt and two (2) 5/16-18 elastic stop nuts. See Figure 3-8.
23. Tighten the hardware.
24. Secure the upper control link to the OCDC discharge chute using one (1) 5/16-18 x 1" bolt and one (1) 5/16-18 elastic stop nut.
25. Tighten the hardware.
26. Operate the OCDC checking for proper operation as outlined in Section 2.4, pages 4 and 5.
27. An adjustment may need to be made to the lower control link to insure smooth operation. If the OCDC is difficult to lock in the closed position, shorten the lower control link slightly until the OCDC locks smoothly into the closed position.

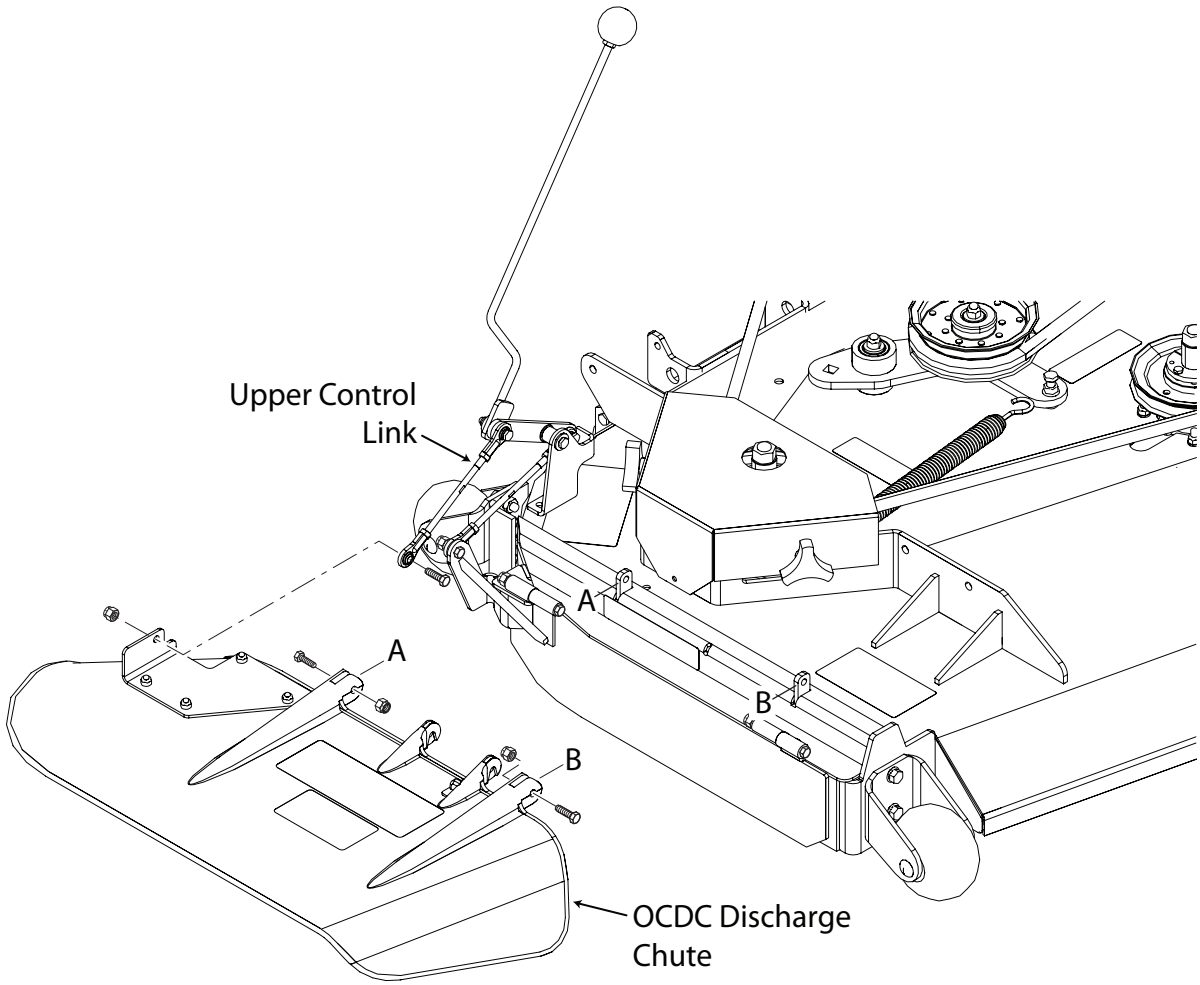


Figure 3-8. OCDC Discharge Chute Installation

3.2 INSTALLATION INSTRUCTION FOR STT-61V

Prepare the machine so there is easy and safe access to the work area. Park the machine on a flat, level surface and apply the parking brake. Remove the ignition key and disconnect the positive and negative cables from the battery. Maintain all safety related work procedures. Always wear hand and eye protection.

1. Remove the discharge chute from the machine. See Figure 3-9.
2. Retain the discharge chute and mounting hardware for future use.

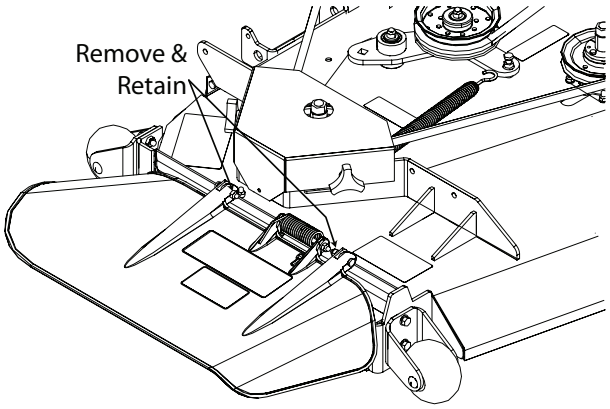


Figure 3-9. Removing the Discharge Chute

3. Remove the turbo baffle from the cutter deck. See Figure 3-10.
4. Retain the turbo baffle and mounting hardware for future use.

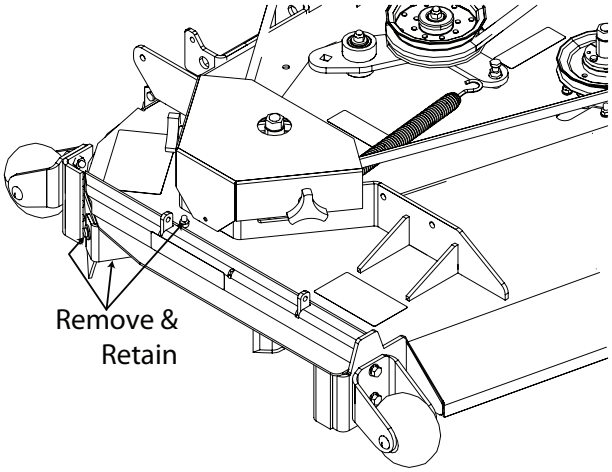


Figure 3-10. Removing the Turbo Baffle

5. Install the rear hinge bracket to the cutter deck using one (1) 5/16-18 x 1" bolt, one (1) 5/16" flatwasher and one (1) 5/16-18 elastic stop nut. Do not tighten the hardware. See Figure 3-11.

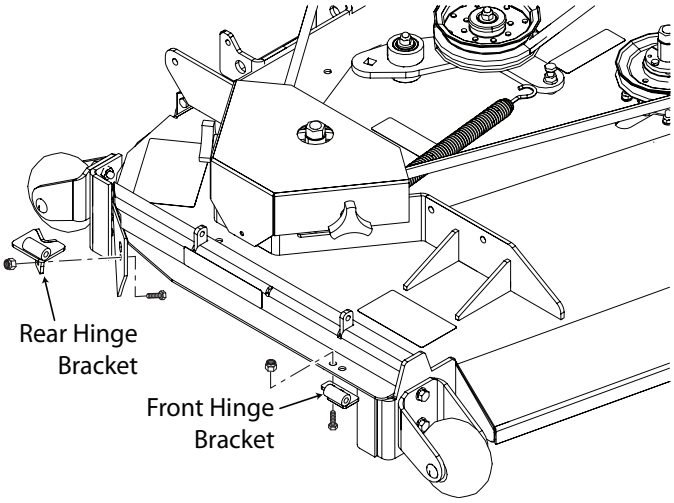


Figure 3-11. Hinge Weldment Installation

6. Hold the rear hinge bracket tight to the cutter deck.
7. Using the rear hinge bracket as a guide, drill the bottom mounting bolt hole for the rear hinge bracket using an 11/32" drill bit.
8. Install one (1) 5/16-18 x 3/4" bolt and one (1)5/16-18 elastic stop nut. Do not tighten the hardware.
9. Install the template to locate the mounting holes for the lever assembly. Secure to the cutter deck using the turbo baffle mounting hardware remove in step 3. See Figure 3-12.
10. Hold the template against the discharge chute mounting rail and tighten the hardware. See Figure 3-12.
11. Center punch and drill the mounting holes using an 11/32" drill bit. See Figure 3-12.
12. Carefully lay out the remaining mounting holes for the front hinge bracket in the cutter deck. See Figure 3-12.
13. Center punch and drill the holes using an 11/32" drill bit.

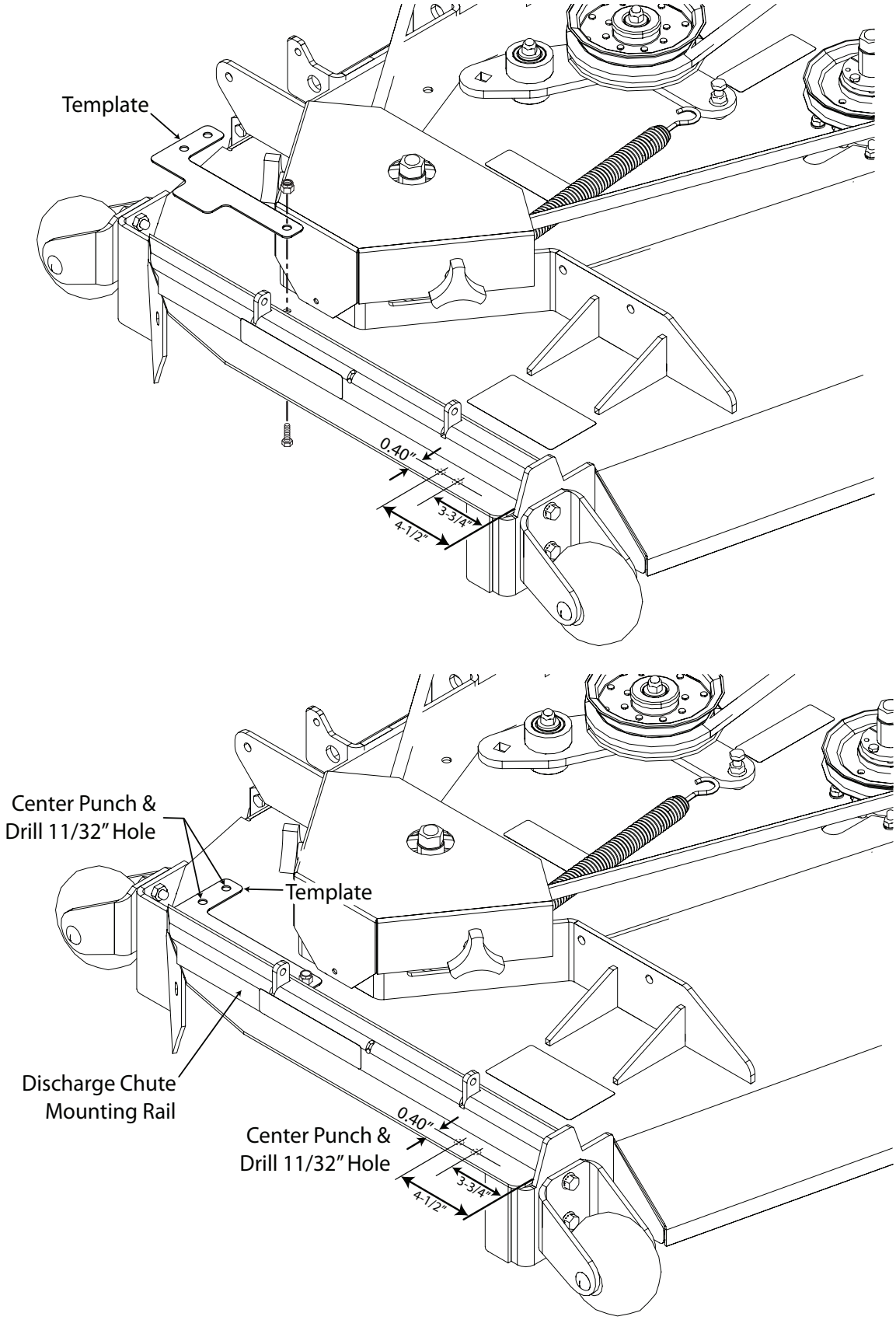


Figure 3-12. Locating and Drilling the Mounting Holes

14. Install the front hinge bracket to the cutter deck using two (2) 5/16-18 x 3/4" bolts and two (2) 5/16-18 elastic stop nuts. See Figure 3-11, page 10. Do not tighten the hardware.

15. Install the block off plate weldment to the front and rear hinge brackets. Secure using two (2)5/16-18 x 3-1/2" bolts and two (2) 5/16-18 elastic stop nuts. See Figure 3-13. Do not over tighten the bolts. Secure the hardware so the block off plate weldment moves freely.

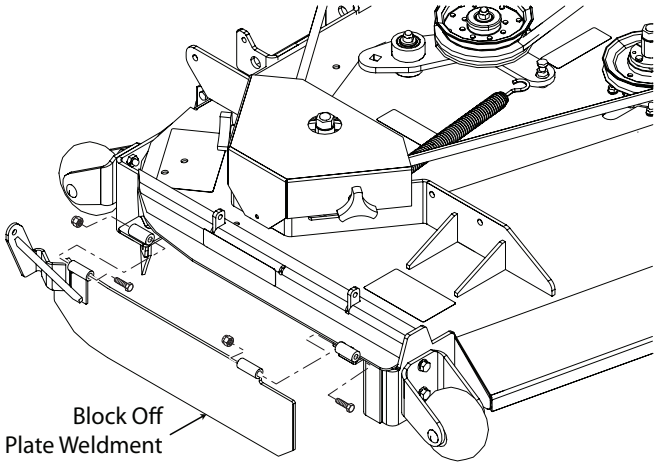


Figure 3-13. Block Off Plate Weldment Installation

16. Tighten the mounting hardware securing the front and rear hinge brackets.

17. Install the OCDC handle bracket to the right hand steering control bracket. See Figure 3-15. Secure using two (2) 5/16-18 x 1" bolts, one (1) mounting plate and two (2) 5/16-18 serrated flange nuts as shown in Figure 3-14.

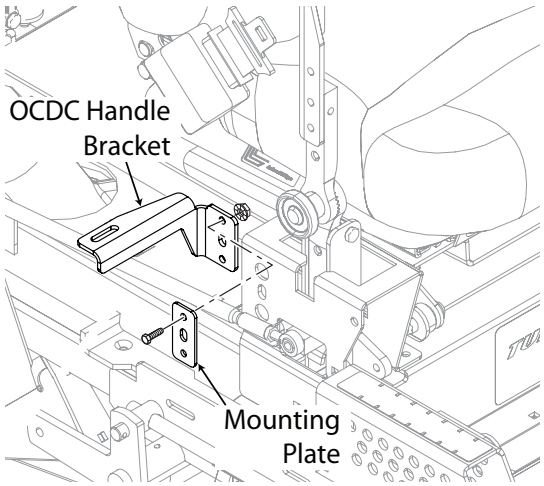


Figure 3-14. OCDC Handle Bracket Install

18. Determine which OCDC control lever weldment is needed. The "curved" control lever is used for most STT models with a 61V cutter deck. If the STT model has the extended chassis (i.e. STT61V-28CAT), the "straight" control lever must be installed.

19. Install the OCDC control lever weldment and control linkage to the pivot assembly and attach using one (1) 5/16-18 x 1-3/4" bolt, one (1) bushing (p/n 43086) and one (1) 5/16-18 elastic stop nut. See Figure 3-15.

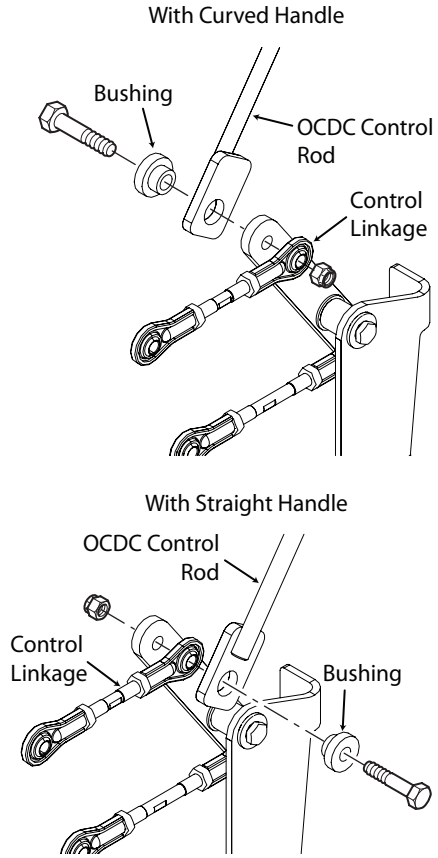


Figure 3-15. OCDC Control Lever and Linkage Installation

20. Install the OCDC control lever assembly through the handle bracket and attach to the cutter deck. Secure using two (2) 5/16-18 x 1" bolt, two (2) 5/16" flatwashers, two (2) 5/16" lockwashers and two (2) 5/16-18 elastic stop nuts. See Figure 3-16. Tighten the hardware.

21. Install the jam nut and the OCDC handle knob to the control rod. See Figure 3-16. Tighten the jam nut.

22. Secure the lower control link to the block off plate weldment using one (1) 5/16-18 x 1" bolt and one (1) 5/16-18 elastic stop nut. See Figure 3-16.

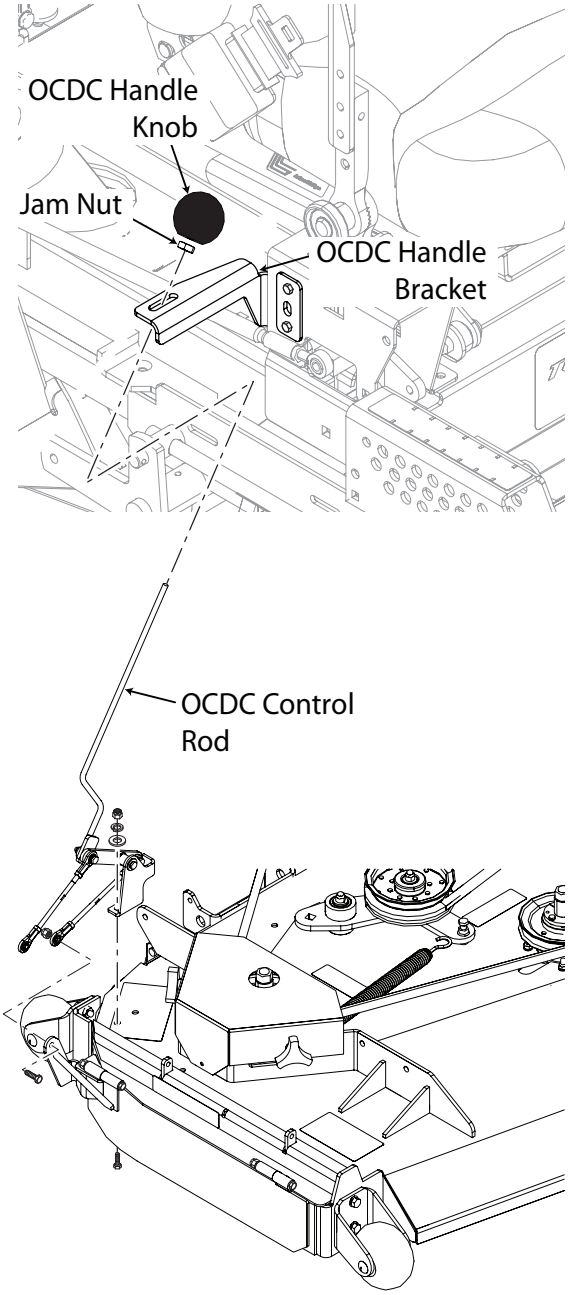


Figure 3-16. OCDC Control Assembly Installation

23. Tighten the hardware.
24. Install the OCDC discharge chute to the cutter deck. Secure using two (2) 5/16-18 x 1-3/4" bolt and two (2) 5/16-18 elastic stop nuts. See Figure 3-18.
25. Tighten the hardware.
26. Secure the upper control link to the OCDC discharge chute using one (1) 5/16-18 x 1" bolt and one (1) 5/16-18 elastic stop nut.
27. Tighten the hardware.
28. Replace decal p/n 483406. Install on the left side of the cutter deck in the location shown in Figure 3-17

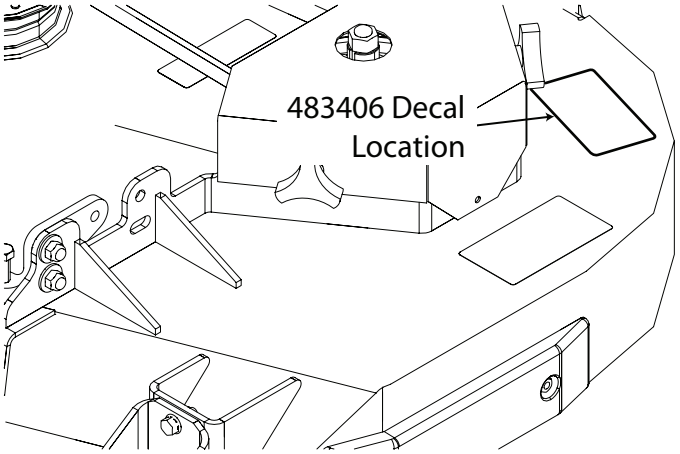


Figure 3-17. 483406 Decal Location - 61V

29. Operate the OCDC checking for proper operation as outlined in Section 2.4, pages 4 and 5.
30. An adjustment may need to be made to the lower control link to insure smooth operation. If the OCDC is difficult to lock in the closed position, shorten the lower control link slightly until the OCDC locks smoothly into the closed position.

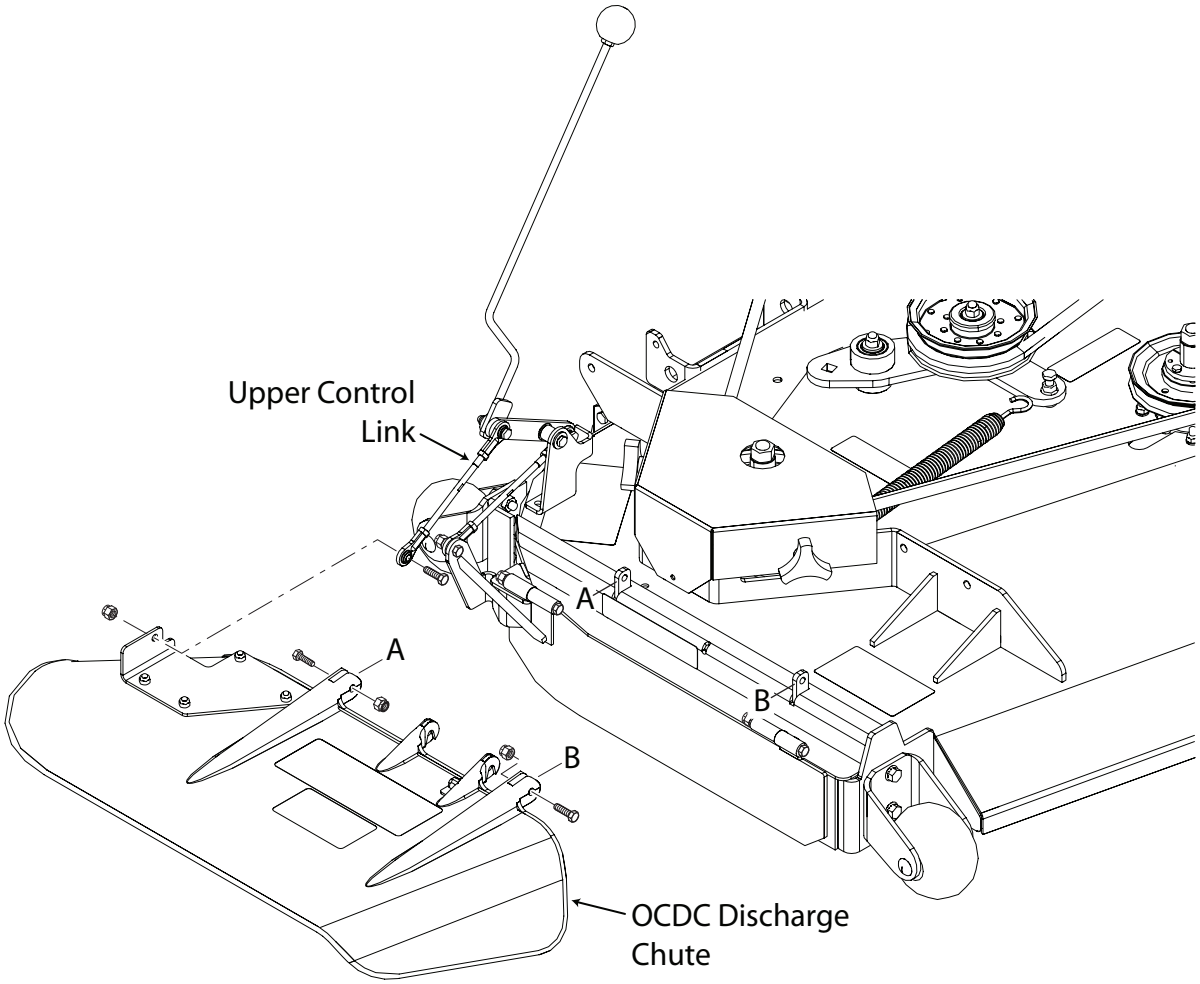


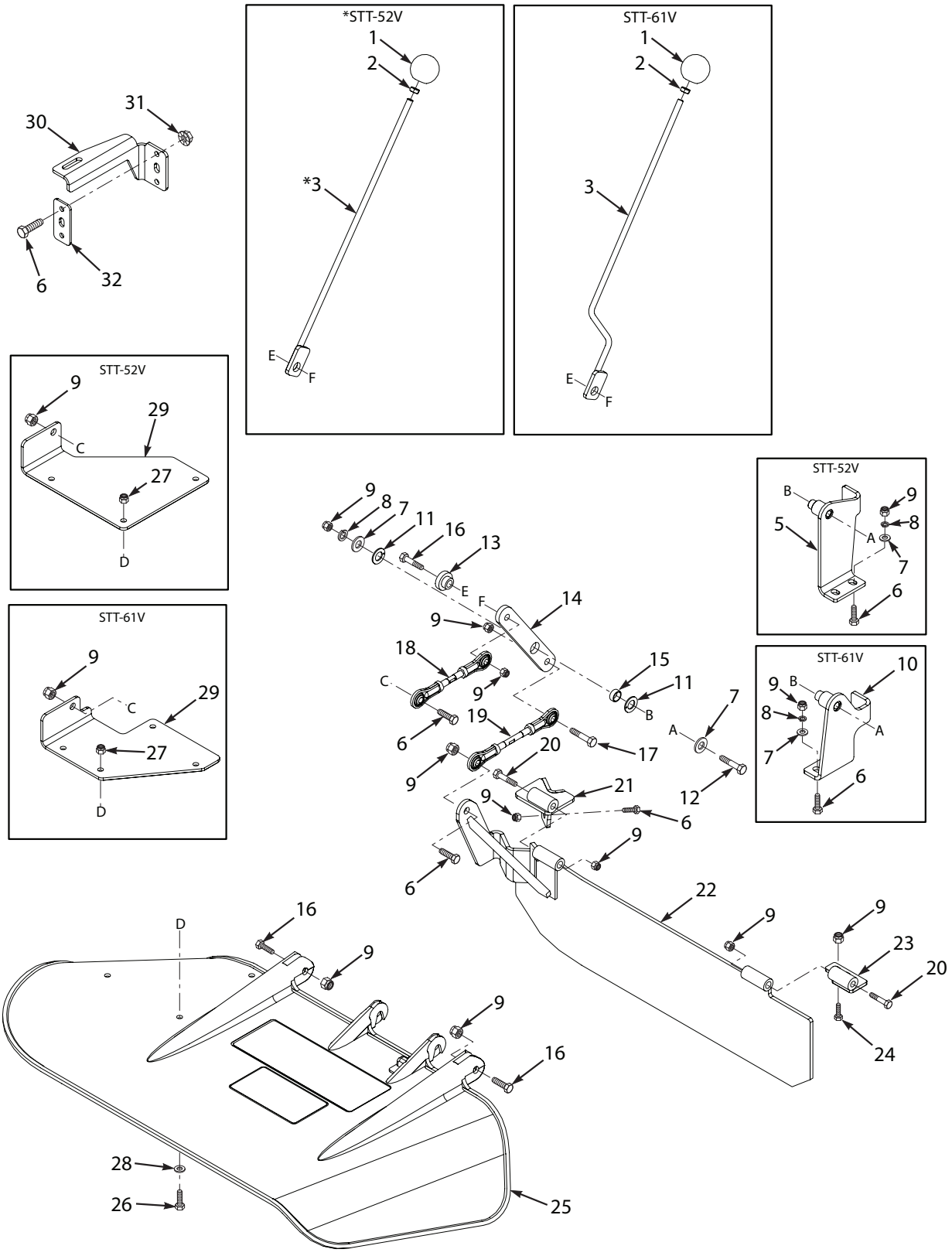
Figure 3-18. OCDC Discharge Chute Installation

ILLUSTRATED PARTS LIST

8.1 SCAG APPROVED ATTACHMENTS AND ACCESSORIES.

Attachments and accessories manufactured by companies other than Scag Power Equipment are not approved for use on this machine.

STT-52V / STT-61V OCDC



*52V Straight Lever Weldment used on STT-61V machines with the extended chassis

STT-52V / STT-61V OCDC

Ref. No.	Part No.	Description
1	484010	Knob, OCDC Lever
2	04020-12	Nut, 3/8-16 Jam
3	*452088	Lever Weldment, OCDC - Straight (52V)
4	452073	Lever Weldment, OCDC - Curved (61V)
5	452089	Pivot Weldment, 52V
6	04001-09	Bolt, Hex Head 5/16-18 x 1"
7	04040-15	Flatwasher, 5/16-.375 x .875 x .083
8	04030-03	Lockwasher, 5/16" Spring
9	04021-10	Nut, Elastic Stop 5/16-18
10	452077	Pivot Weldment, 61V
11	04045-01	Washer, Thrust
12	04001-17	Bolt, Hex Head 5/16-18 x 2"
13	43086	Bushing
14	425163	Plate, Pivot Arm
15	483453-20	Bearing
16	04001-12	Bolt, Hex Head 5/16-18 x 1-3/4"
17	04001-10	Bolt, Hex Head 5/16-18 x 1-1/4"
18	484002	Linkage Assembly, Discharge Chute 52V
	483990	Linkage Assembly, Discharge Chute 61V
19	484001	Linkage Assemlby, Block-Off Plate 52V
	483989	Linkage Assembly, Block-Off Plate 61V
20	04001-63	Bolt, Hex Head 5/16-18 x 3-1/2"
21	452079	Hinge Weldment, Rear
22	452084	Block-Off Plate Weldment, 52V
	452080	Block-Off Plate Weldment, 61V
23	452078	Hinge Weldment, Front
24	04001-08	Bolt, Head Head 5/16-18 x 3/4"
25	462198	Discharge Chute Assembly, 52V (incl. #26, 27, 28, 29)
	462193	Discharge Chute Assembly, 61V (incl. #26, 27, 28, 29)
26	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
27	04021-08	Nut, Elastic Stop 1/4-20
28	04040-14	Flatwasher, 1/4-.312 x .750 x .065
29	425189	Plate, Discharge Chute 52V
	425131	Plate, Discharge Chute 61V
30	425130	Bracket, OCDC Lever
31	04019-03	Nut, Serrated Flange 5/16-18
32	424148	Bracket, Mount

LIMITED WARRANTY- COMMERCIAL ACCESSORY

Any part of the Scag commercial accessory manufactured by Scag and found, in the reasonable judgment of Scag, to be defective in material or workmanship, will be repaired or replaced by an Authorized Scag Service Dealer without charge for parts and labor.

The Scag accessory, including any defective part, must be returned to an Authorized Scag Service Dealer within the warranty period. The expense of delivering the accessory to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid for by the owner. Scag's responsibility in respect to claims is limited to making the required repairs or replacements, and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any Scag machine. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an Authorized Scag Service Dealer.

This warranty is limited to 90 days from the date of original retail purchase for any Scag accessory that is used for commercial purposes, or any other income-producing purpose including rental use.

This warranty does not cover any accessory that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Operator's Manual. The warranty does not apply to any damage to the accessory that is the result of improper maintenance, or to any accessory or parts that have not been assembled or installed as specified in the Operator's Manual.

The warranty does not cover any accessory that has been altered or modified. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which, in the reasonable judgment of Scag, are either incompatible with the Scag mower or adversely affect its operation, performance or durability. This warranty does not cover engines and electric starters, which are warranted separately by their manufacturer.

Scag Power Equipment reserves the right to change or improve the design of any accessory without assuming any obligation to modify any accessory previously manufactured.

All other implied warranties are limited in duration to the 90 day warranty period. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the appropriate ninety day warranty period. Scag's obligation under this warranty is strictly and exclusively limited to the repair or replacement of defective parts and Scag does not assume or authorize anyone to assume for them any other obligation. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Scag assumes no responsibility for incidental, consequential or other damages including, but not limited to, expense for gasoline, oil, expense of delivering the machine to an Authorized Scag Service Dealer and expense of returning it back to the owner, mechanic's travel time, telephone or telegram charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of use of the mower, loss of time, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.